

Malic acid disodium hydrate

Chemical Properties

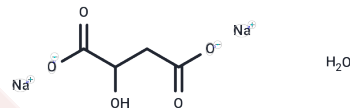
CAS No. : 63474-37-3

Formula: C₄H₆Na₂O₆

Molecular Weight: 196.07

Storage: Keep away from moisture, Store under nitrogen
Store at RT

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Malic acid disodium hydrate is commonly used as a food additive, buffering agent and nutritional supplement with the ability to enhance food flavor, improve texture and regulate acidity. Hydroxybutanedioic acid disodium hydrate can also be used as a dietary supplement to help increase energy production, reduce fatigue and enhance athletic performance.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 100 mg/mL (510.02 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.1002 mL	25.5011 mL	51.0022 mL
5 mM	1.020 mL	5.1002 mL	10.2004 mL
10 mM	0.510 mL	2.5501 mL	5.1002 mL
50 mM	0.102 mL	0.510 mL	1.020 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Dai Z, et al. Current advance in biological production of malic acid using wild type and metabolic engineered strains. Bioresour Technol. 2018 Jun;258:345-353.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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